

CLAIMS

1. A molding for an electrolytic capacitor anode element having valve action metal layer which includes valve action metal powder and binder resin, said molding comprising a region having resin as its main component for protecting said valve action metal layer in at least one surface of said molding.

2. A molding with a substratum comprising a sheet-shaped substratum and a molding provided on said sheet-shaped substratum such that said molding can be separated, wherein:

said molding has a protective layer and a porous-body-forming layer;

said protective layer has resin as a main component; and

said porous-body-forming layer has valve action metal powder and binder resin.

3. A molding with a substratum according to claim 2, wherein said protective layer is present on said sheet-shaped substratum, and said porous-body-forming layer is present on said protective layer.

4. A molding with a substratum according to claim 2, wherein the adhesive strength between said protective layer and said porous-body-forming layer is greater than the adhesive strength between said sheet-shaped substratum and said protective layer.

5. A molding with a substratum according to claim 2, wherein said protective layer and said porous-body-forming layer were formed in a unitary manner by after forming a

coated film on the sheet-shaped substratum by coating a paint for the porous-body-forming layer that includes valve action metal powder and binder resin, settling down said valve action metal powder in said coated film.

6. A molding with a substratum according to any one of claims 2 to 5, wherein said molding is a molding for an electrolytic capacitor anode element.

7. A molding with a substratum according to claim 6, wherein said valve action metal powder is tantalum powder or niobium powder.

8. A molding with a substratum according to any one of claims 2 to 5, wherein said resin included in said protective layer as a main component comprises at least one selected from among the group of polyvinyl resin, polyvinyl acetal resin, butyral resin, and acrylic resin.

9. A molding with a substratum according to claim 2, wherein said molding with a substratum is wound into a reel.

10. A molding with a substratum according to claim 9, wherein said molding with a substratum is slit.

11. A production method for a molding with a substratum, comprising a step for forming a protective layer having resin as a main component on a sheet-shaped substratum, and a

step for forming a porous-body-forming layer having valve action metal powder and binder resin on said protective layer,

wherein the adhesive strength between said protective layer and said porous-body-forming layer is made to be greater than the adhesive strength between said substratum and said protective layer.

12. A production method for a molding with a substratum, comprising:

a step for forming a coated film by coating a paint that includes valve action metal powder and binder resin on a sheet-shaped substratum; and

a step for forming a porous-body-forming layer having said valve action metal powder and said binder resin, and a protective layer having resin as a main component positioned on the surface of said porous-body-forming layer, by settling down said valve action metal powder in said coated film.

13. A production method for a molding with a substratum according to claim 11 or 12, wherein the resin forming said protective layer having resin as a main component comprises at least one selected from among the group of polyvinyl resin, polyvinyl acetal resin, butyral resin, and acrylic resin.

14. A production method for a molding with a substratum according to claim 11 or 12, wherein said valve action metal powder is tantalum powder or niobium powder.

15. A production method for an electrolytic capacitor anode element comprising:

a first step for separating said molding from said sheet-shaped substrate of said molding with a substrate produced by the production method of claim 11 or 12, and cutting said molding to a specific dimension, and

a second step for applying pressure on a plurality of cut moldings with a lead wire sandwiched therebetween, followed by sintering.